

Name \_\_\_\_\_ Date \_\_\_\_\_



Go to [www.darvill.clara.net/altenerg](http://www.darvill.clara.net/altenerg)

(The energy source in italics in parentheses next to the question tells you under what tab you can find its answer)

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1. Where does most of our energy come from? (*home page*)

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2. Name 3 fossil fuels (*fossil fuels*)

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

3. Describe how a gas-fired power station works (*fossil fuels*)

\_\_\_\_\_ ➡ \_\_\_\_\_ ➡ \_\_\_\_\_ ➡ \_\_\_\_\_ ➡ \_\_\_\_\_

4. Name two advantages of generating electricity using nuclear power (*nuclear*)

1. \_\_\_\_\_

2. \_\_\_\_\_

5. Which uranium isotope is only 0.7% of natural uranium, and is the “fissile” part? (*nuclear*)  
(Hint: the answer is a number, “Uranium-something”) \_\_\_\_\_

6. Describe two methods for getting energy from sunlight (*solar*)

1. \_\_\_\_\_

2. \_\_\_\_\_

7. Describe two ways wind power was used long ago (*wind*)

1. \_\_\_\_\_

2. \_\_\_\_\_

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8. What is a Tidal Barrage and where could one be built? (*tidal*)

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9. Why are countries like Switzerland and New Zealand able to produce so much hydroelectric power? (*hydroelectric*)

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10. What is a Pumped Storage Reservoir and why do we need them? (*pumped storage*)

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11. What is the name of the long, hinged floating tube that collects offshore wave energy (developed by a company called Ocean Power Delivery)? (*wave*)

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12. From where does geothermal energy come? (*geothermal*)

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13. Describe "bioconversion" (*biomass*)

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14. What biogases are produced if you burn manure, sewage, or "green waste" from your garden? (*biogas*)

\_\_\_\_\_ **AND** \_\_\_\_\_

15. Name two materials that we can burn in order to get energy from "Biofuels" (*biofuels*)

1. \_\_\_\_\_

2. \_\_\_\_\_

When you are finished, attempt some of the online quizzes on this site.